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Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)			Complete if Known		
			Application Number	10/676,296	
			Filing Date	September 30, 2003	
			First Named Inventor	Lance G. Laing	
			Art Unit	N/A 1636	
			Examiner Name	Not Yet Assigned JENNIFER DUNSTON	
Sheet	1	of	1	Attorney Docket Number	04107/100L443-US2

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
JD	1	US-5,620,580	04-15-1997	Bamdad et al.	
JD	2	US-6,322,979	11-27-2001	Bamdad et al.	
JD	3	US-6,472,148	10-29-2002	Bamdad et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
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W:1041 07/1001	<i>Jennifer Dunston</i>	Date Considered	6/15/04
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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet	1	of	3
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Complete if Known


Application Number	F.B.A. 10/676296
Filing Date	Concurrently Herewith 9/30/03
First Named Inventor	Lance Laing
Group Art Unit	F.B.A. 1636
Examiner Name	F.B.A. JENNIFER DONSTON
Attorney Docket Number	04107/100L443-US2

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		Number - Kind Code ² (if known)			
JD	1.	US- 5,034,506	07/23/1991	Summerton et al.	
	2.	US- 5,459,040	10/17/1995	Hammock et al.	
	3.	US- 5,571,722	11/5/1996	Rosson	
	4.	US- 5,591,578	01/07/1997	Meade et al.	
	5.	US- 5,637,684	06/10/1997	Cook et al.	
	6.	US- 5,677,437	10/14/1997	Teng et al.	
	7.	US- 5,783,682	07/21/1998	Cook et al.	
	8.	US- 5,792,844	08/11/1998	Sanghvi et al.	
	9.	US- 5,952,172	09/14/1999	Meade et al.	
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	11.	US- 6,063,573	05/16/2000	Kayyem	
	12.	US- 6,071,699	06/08/2000	Meade et al.	
	13.	US- 6,087,100	07/11/2000	Meade et al.	
	14.	US- 6,238,884	05/29/2001	Short et al.	
	15.	US- 6,319,713	11/20/2001	Patten et al.	
	16.	US- 6,335,160	01/01/2002	Patten et al.	
	17.	US- 6,346,378	02/12/2002	Stanley et al.	
	18.	US- 6,352,842	03/05/2002	Short et al.	
	19.	US- 6,420,175	07/16/2002	Stemmer	
	20.	US-2002/0123048	09/05/2002	Gau	
	21.	US 6,329,160-B1	12/11/2001	Schneider et al.	
	22.	US 6,438,651-B1	08/20/2002	Everhart et al.	

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		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
	23.	WO 89/05977	06/29/1989	Igen Inc.		
	24.	WO 99/27351	06/03/1999	Lockheed Martin Energy Research Corp.		
	25.	WO 99/67423	12/29/1999	The Regents of the Univ. of California		
	26.	WO 01/54814	08/02/2001	Motorola Inc.		
	27.	WO 02/00006	01/03/2002	Board of Trustees of the Univ. of Illinois		
	28.	WO 02/06789	01/24/02	The Ohio State Univ. Research Foundation; Univ. of Kentucky Research Foundation		
	29.	WO 02/10750	02/07/2002	Maxygen, Inc.		

Examiner Signature 	Date Considered 6/15/04
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Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	T.B.A. 10/676296
		Filing Date	Concurrently Herewith 9/30/03
		First Named Inventor	Lance Laing
		Group Art Unit	T.B.A. 11036
		Examiner Name	T.B.A. JENNIFER DUNSTON
		Attorney Docket Number	04107/100L443-US2
Sheet	2	of	3

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
JD	30.	Bailey J., (1999) Lesson from metabolic engineering for functional genomics and drug discovery, <i>Nature</i> , 17:616-618	
	31.	Baselt et al., (1996) Biosensor based on force microscope technology, <i>J. Vac. Sci. Technol. B</i> , 14:789-793	
	32.	Beerli et al., (1998) Toward controlling gene expression at will: Specific regulation of the <i>erbB-2/HER-2</i> promoter by using polydactyl zinc finger proteins constructed from modular building blocks, <i>Proc. Natl. Acad. Sci. USA</i> , 95:14628-14633	
	33.	Beerli et al., (2000) Positive and negative regulation of endogenous genes by designed transcription factors, <i>PNAS</i> , 97:1495-1500	
	34.	Beste et al., (1999) Small Antibody-Like Proteins with Prescribed Ligand Specificities Derived from the Lipocalin Fold, <i>Proc. Natl. Acad. Sci. USA</i> , 96:1898-1903	
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	36.	Cai et al., (1997) Use of a luminescent bacterial biosensor for biomonitoring and characterization of arsenic toxicity of chromated copper arsenate (CCA), <i>Biodegradation</i> , 8:105-111	
	37.	Ensor et al., (1997) Engineered Bacteria Can Detect Toxic Metals, http://www.uky.edu/WaterResources/WORKS18.HTML	
	38.	Greisman et al., (1997) A General Strategy for Selecting High-Affinity Zinc Finger Proteins for Diverse DNA Target Sites, <i>Science</i> , 275:657-661	
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	40.	Köhler et al., (1999) Reporter gene bioassays in environmental analysis, <i>Fresenius J. Anal. Chem.</i> , 366:769-779	
	41.	Lau et al., (1999) Dissecting the Role of Acyltransferase Domains of Modular Polyketide Synthases in the Choice and Stereochemical Fate of Extender Units, <i>Biochemistry</i> , 38:1643-1651	
	42.	Malmqvist M., (1993) Biospecific interaction analysis using biosensor technology, <i>Nature</i> , 361:186-187	
	43.	Mascini et al., (2001) DNA electrochemical biosensors, <i>Fresenius J. Anal. Chem.</i> , 369:15-22	
JD	44.	Nielsen et al., (1991) Sequence-Selective Recognition of DNA by Strand Displacement with a Thymine-Substituted Polyamide, <i>Science</i> , 254:1497-1500	

Examiner Signature	Jennifer Dunst	Date Considered	6/15/04
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 3 of 3

Complete if Known

Application Number	F.B.A. 10 676 296
Filing Date	Concurrently Herewith 9/30/03
First Named Inventor	Lance Laing
Group Art Unit	F.B.A. 1636
Examiner Name	F.B.A. JENNIFER DUNSTON
Attorney Docket Number	04107/100L443-US2

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
JD	45.	O'Shannessy et al., (1994) [15] Determination of Rate and Equilibrium Binding Constants for Macromolecular Interactions by Surface Plasmon Resonance, <i>Methods in Enzymology</i> , 240:323-349	
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	52.	Wada et al., (1992) Codon usage tabulated from the GenBank genetic sequence data, <i>Nucleic Acids Research</i> , 20:2111-2118	
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	54.	Xu et al., (1996) The Chromosomal <i>arsR</i> Gene of <i>Escherichia coli</i> Encodes a trans-acting Metalloregulatory Protein, <i>The J. of Biol. Chem.</i> , 271:2427-2432	
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	56.	Zhang et al., (1991) Low-usage codons in <i>Escherichia coli</i> , yeast, fruit fly and primates, <i>Gene</i> , 105:61-72	
	57.	Baselt et al., (1996) "Biosensor based on force microscope technology", <i>J. Vac. Sci. Technol. B</i> , 14:789-793	
JD	58.	Cotell, C. (Oct. 2001) "Single Molecule Detector", http://techtransfer.nrl.navy.mil , Points of Contact, Naval Research Laboratory, 4555 Overlook Avenue, SW, Washington, DC 20375-5320	

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